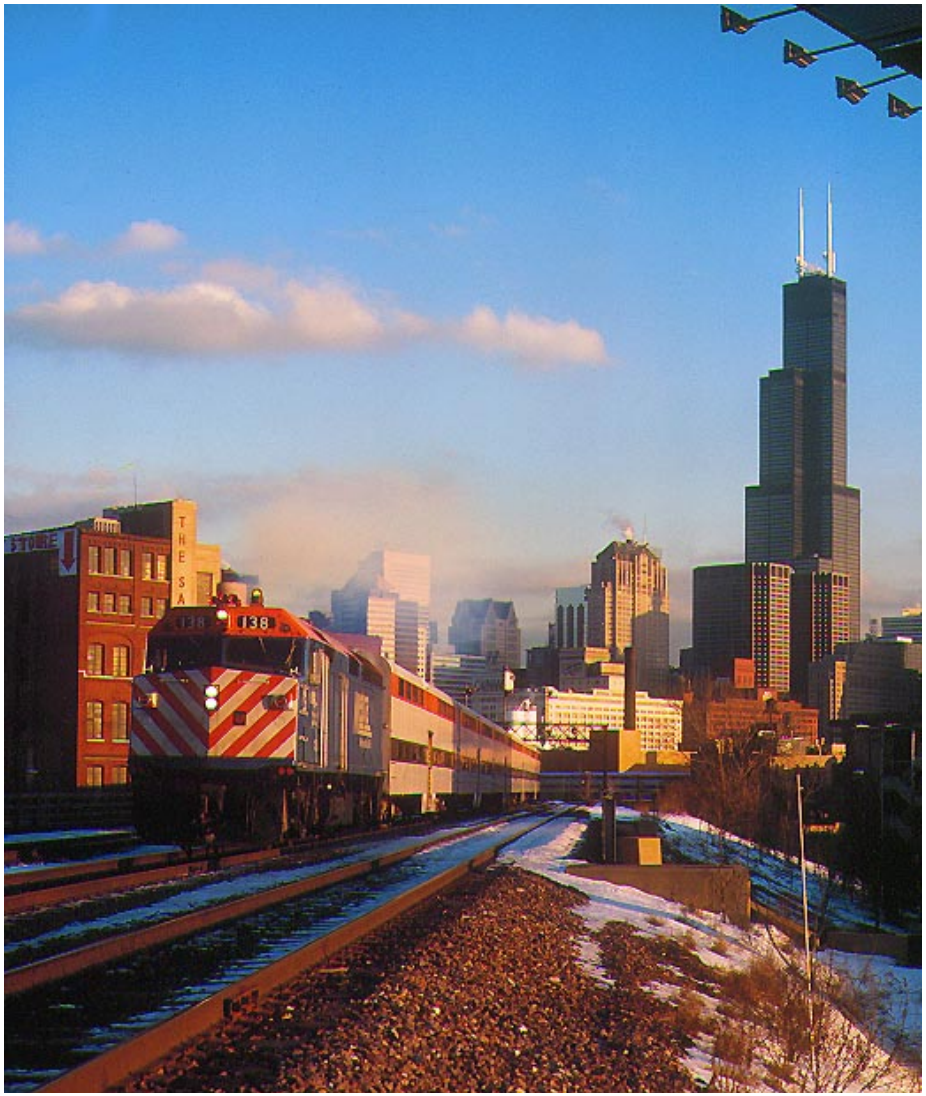
USA Commuter/ Regional Rail Overview



Marc Pearsall

Senior Transportation Planner/Rail

Friday April 28, 2006

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AzTA Speakers and Panelists

METROLINK

UNION PACIFIC

TRE
TRINITY RAILWAY EXPRESS

Snell & Wilmer
L.L.P.
LAW OFFICES
Character comes through.®

RTD

UTA

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Commuter Rail Systems in the USA

Existing Commuter Rail Service (2006) ~ ★

New Starts Commuter Rail Service - Under Construction / Design (Opens 2007-2013) ~ ⊗

Existing Amtrak Intercity Rail Service ~ ——

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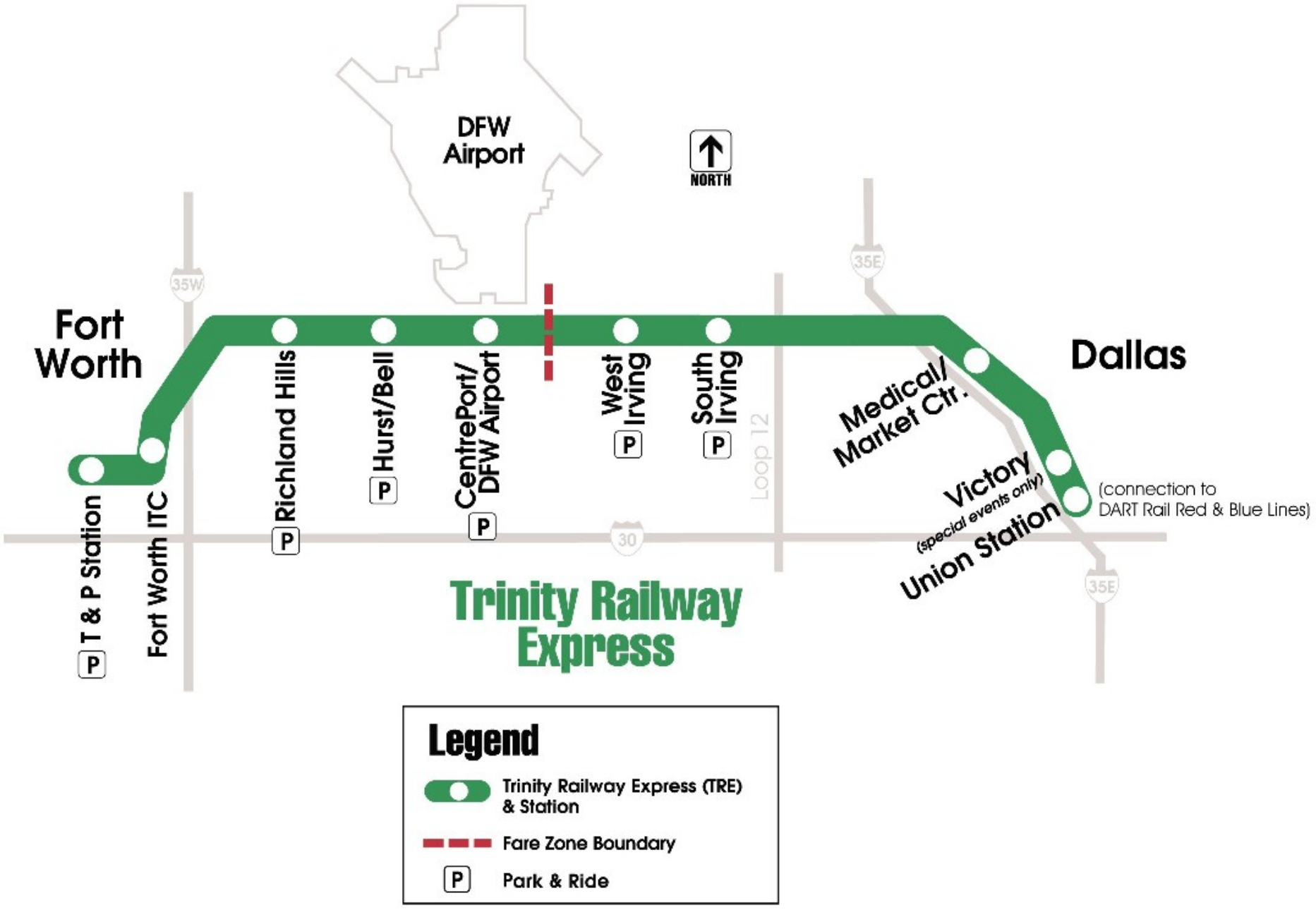
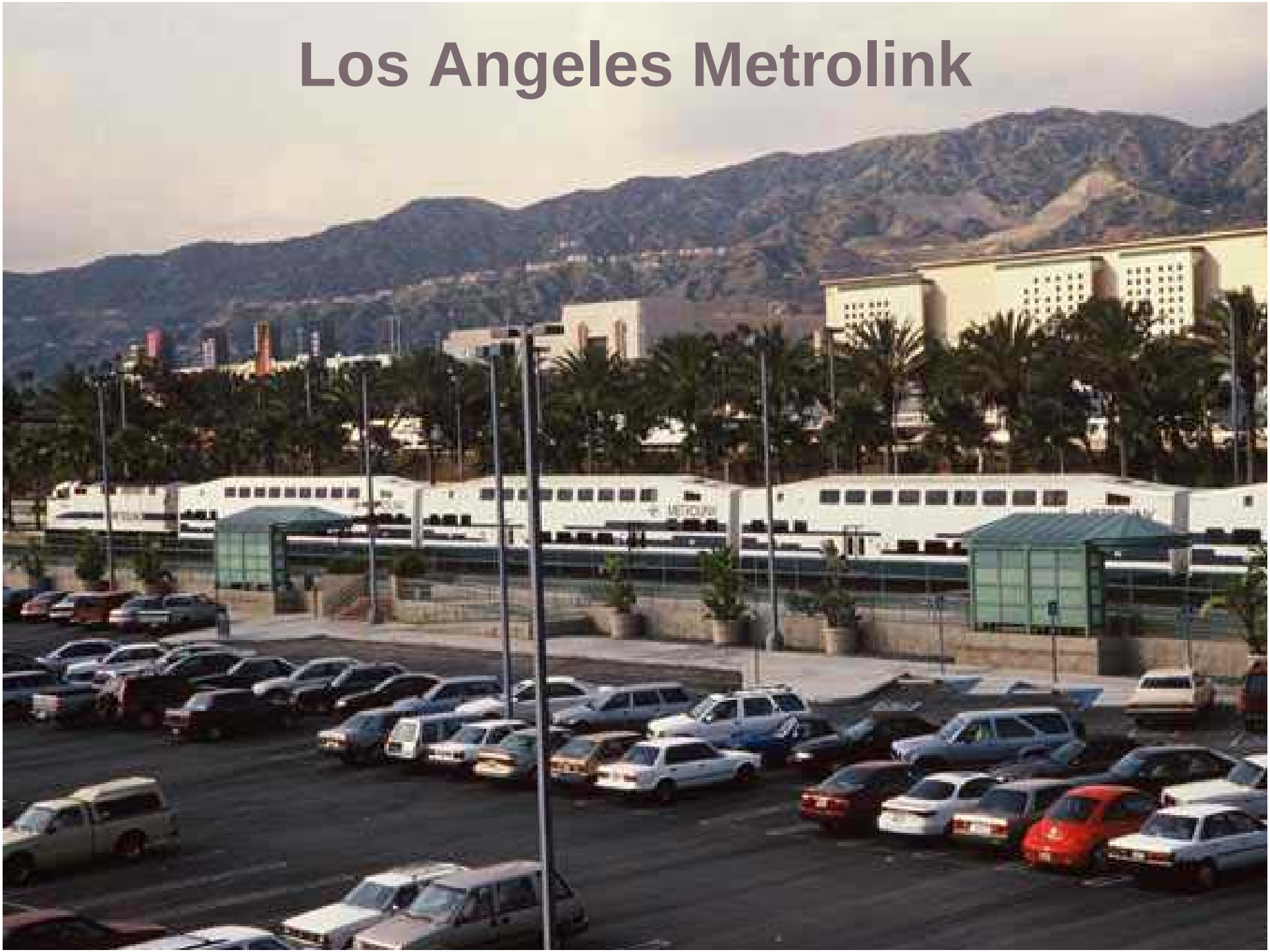
Trinity Railway Express - DFW

Source: Trinity Railway Express


DFW Airport
NORTH
35W
35E
Fort Worth
T & P Station
Fort Worth ITC
Richland Hills
Hurst/Bell
CentrePort/ DFW Airport
West Irving
South Irving
Loop 12
Medical/ Market Ctr.
Dallas
Victory
(special events only)
Union Station
(connection to DART Rail Red & Blue Lines)
30
Trinity Railway Express
Legend
Trinity Railway Express (TRE) & Station
Fare Zone Boundary
Park & Ride

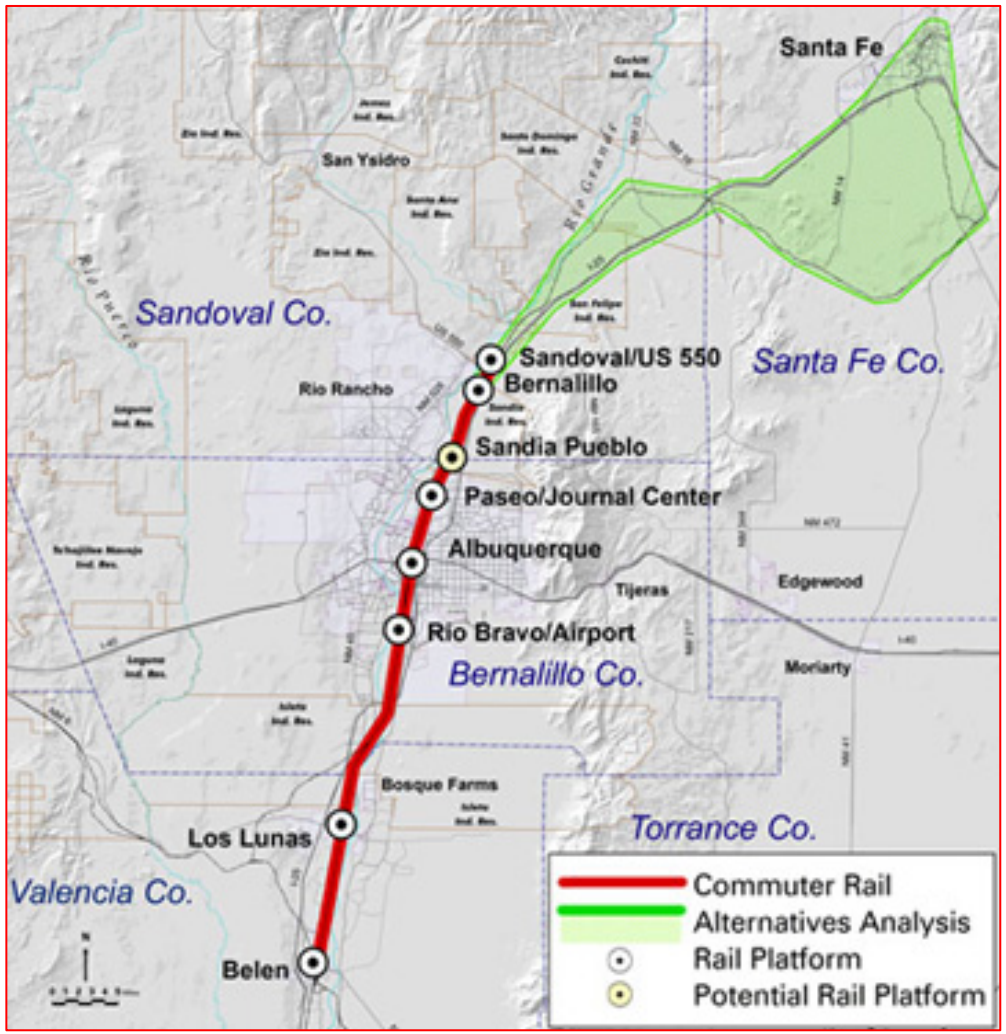
Los Angeles Metrolink




Antelope Valley Line
Lancaster
Santa Clarita
Princessa
Vincent Grade/
Acton
VENTURA
COUNTY
Newhall
Sylmar/
San Fernando
Sun Valley
LOS ANGELES
COUNTY
SAN BERNARDINO
COUNTY
San Bernardino Line
Oxnard
Moorpark
Simi Valley
Camarillo
Chatsworth
Northridge
Van Nuys
Burbank
Burbank Airport
Glendale
L.A. Union Station
Cal State L.A.
El Monte
Baldwin Park
Covina
Pomona
Claremont
Montclair
Upland
Rancho Cucamonga
Fontana
Rialto
San Bernardino
Ventura County Line
Industry
Downtown
Pomona
E. Ontario
Perris
Riverside-Downtown
Montebello/
Commerce
Commerce
W. Corona
Fullerton
Anaheim
Canyon
Norwalk/
Santa Fe
Springs
Riv.-La Sierra
Riverside Line
Orange County Line
Orange
Santa Ana
Anaheim
RIVERSIDE
COUNTY
Inland Empire/
Orange County Line
Tustin
Irvine
ORANGE
COUNTY
Laguna Niguel/
Mission Viejo
San Juan Capistrano
SAN DIEGO
COUNTY
San Clemente
Oceanside
PACIFIC OCEAN
MAP NOT TO SCALE
LEGEND
Effective June 1999
This map is not to scale
Future Station
Ventura County Line
Antelope Valley Line
San Bernardino Line
Riverside Line
Orange County Line
Inland Empire-Orange County Line
Via Fullerton
Operated by MTA
Metro Red Line (Subway)
Metro Blue Line (Light Rail)
Metro Green Line (Light Rail)
Southern California Regional Rail Authority

New Mexico Rail Runner HDR/Kevin Collins

New Mexico Rail Runner



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UTA FrontRunner

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UTA
FrontRunner

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RTD Denver

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Comparison of Rail Modes

- Light Rail
- Heavy Rail
- Commuter Rail
- Regional Rail
- Intercity Rail

Comparison:	Commuter Rail	Light Rail
• Power	• Diesel locomotive	• Electric overhead
• Right of Way	• Existing freight railroad tracks	• Track in dedi-cated lane
• Car Capacity	• 80 – 130 psgrs.	• 150 psgrs.
• Psgrs./Hour	• 6 – 15 K	• 12 – 20 K
• Avg. Speed	• 45 mph	• 22 mph
• Top Speed	• 79 mph	• 50 mph
• Cost/Mile	• $6 - $15 M	• $50 – $60 M
• Stations	• Every 3 to 7 miles	• Every ½ mile to 1 mile

Light Rail

Source: Valley Metro

Heavy Rail


merrit02.jpg – New York City Subway Resources -- http://www.nycsubway.org
LAKE MERRITT
RICHMOND
PLATFORM 2
bart
Richmond train at Lake Merritt (5-1-1999) – Photo by Eric Haas

Commuter Rail

Regional Rail

Intercity Rail

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